

IN THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

Claims 1-45. (Canceled)

46. (Currently amended) A prosthetic repair fabric for repairing a tissue or muscle wall defect, the prosthetic repair fabric comprising:

a layer of mesh fabric with a plurality of interstices that are constructed and arranged to allow tissue ingrowth, the mesh fabric being susceptible to the formation of adhesions with sensitive tissue and organs, the mesh fabric including opposing first and second sides and an edge extending between the first and second sides;

at least one barrier layer that inhibits the formation of adhesions with sensitive tissue and organs thereto, the barrier layer having a surface texture and a porosity that are less than 10 μ m, the barrier layer being disposed on at least a portion of one of the first and second sides of the layer of mesh fabric to inhibit the formation of adhesions between the portion of the mesh fabric and adjacent sensitive tissue and organs; and

an edge barrier that inhibits the formation of adhesions with sensitive tissue and organs thereto, the edge barrier having a surface texture and a porosity that are less than 10 μ m, the edge barrier isolates at least a portion of the edge of the mesh fabric from adjacent sensitive tissue and organs.

47. (Previously Presented) The prosthetic repair fabric according to claim 46, wherein the layer of mesh fabric and the barrier layer are connected by a series of stitches.

48. (Previously Presented) The prosthetic repair fabric according to claim 47, wherein the series of stitches includes at least one series of continuous stitches having a stitch pattern, at least a portion of the stitch pattern approximating the shape of an outer peripheral edge of the layer of mesh fabric.

49. (Previously Presented) The prosthetic repair fabric according to claim 48, wherein the at least one series of continuous stitches includes a pair of continuous stitches, the stitch pattern for each of the pair of continuous stitches approximating the shape of the outer peripheral edge.

50. (Previously Presented) The prosthetic repair fabric according to claim 46, wherein the layer of mesh fabric is formed from polypropylene.

51. (Previously Presented) The prosthetic repair fabric according to claim 46, wherein the barrier layer is formed from ePTFE.

52. (Previously Presented) The prosthetic repair fabric according to claim 46, wherein the edge barrier is formed from ePTFE.

53. (Currently amended) An implantable prosthesis for repairing a tissue or muscle wall defect, the implantable prosthesis comprising:

a layer of repair fabric that is susceptible to the formation of adhesions with tissue and organs, the layer of repair fabric including opposing first and second sides and an edge extending between the first and second sides;

a barrier layer that inhibits the formation of adhesions with tissue and organs thereto, the barrier layer having a surface texture and a porosity that are less than 10 μ m, the barrier layer covers at least a portion of one of the first and second sides to inhibit the formation of adhesions between the portion of one of the first and second sides and adjacent tissue and organs; and

an edge barrier that inhibits the formation of adhesions with tissue and organs thereto, the edge barrier having a surface texture and a porosity that are less than 10 μ m, the edge barrier covers at least a portion of the edge of the layer of repair fabric to inhibit the formation of adhesions between the portion of the edge of the layer of repair fabric and adjacent tissue and organs.

54. (Previously Presented) The implantable prosthesis according to claim 53, wherein the layer of repair fabric includes a plurality of interstices that are constructed and arranged to allow tissue ingrowth thereto.

55. (Previously Presented) The implantable prosthesis according to claim 53, wherein the layer of repair fabric and the barrier layer are connected by at least one series of stitches.

56. (Previously Presented) The implantable prosthesis according to claim 53, wherein the layer of repair fabric includes a polypropylene mesh.

57. (Previously Presented) The implantable prosthesis according to claim 56, wherein the barrier layer includes ePTFE.

58. (Previously Presented) The implantable prosthesis according to claim 56, wherein the edge barrier includes ePTFE.

59. (Currently amended) A method of repairing a tissue or muscle wall defect, the method comprising steps of:

(a) providing an implantable prosthesis including a layer of repair fabric that is susceptible to the formation of adhesions with tissue and organs, the layer of repair fabric including opposing first and second sides and an edge extending between the first and second sides, the prosthesis also including a barrier layer that inhibits the formation of adhesions with tissue and organs thereto, the barrier layer having a surface texture and a porosity that are less than 10 μ m, the barrier layer covering at least a portion of the first side to inhibit the formation of adhesions between the portion of the first side and adjacent tissue and organs, the implantable prosthesis further including an edge barrier that inhibits the formation of adhesions with tissue and organs thereto, the edge barrier having a surface texture and a porosity that are less than 10 μ m, the edge barrier covering at least a portion of the edge of the layer of repair fabric to inhibit the formation of adhesions between the portion of the edge of the layer of repair fabric and adjacent tissue and organs; and

(b) implanting the implantable prosthesis with the barrier layer and the edge barrier being positioned between the layer of repair fabric and a region of potential adhesions with tissue and organs.

60. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric includes a plurality of interstices that are constructed and arranged to allow tissue ingrowth thereto.

61. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric and the barrier layer are connected by at least one series of stitches.

62. (Previously Presented) The method according to claim 59, wherein the layer of repair fabric includes a polypropylene mesh.

63. (Previously Presented) The method according to claim 62, wherein the barrier layer includes ePTFE.

64. (Previously Presented) The method according to claim 63, wherein the edge barrier includes ePTFE.

65. (Currently amended) A prosthetic repair fabric for repairing a tissue or muscle wall defect, the prosthetic repair fabric comprising:

a layer of mesh fabric that is susceptible to the formation of adhesions with sensitive tissue and organs, the layer of mesh fabric including opposing first and second sides, an edge extending between the first and second sides, a margin section proximate to the edge and an interior body section surrounded by the margin section;

at least one barrier layer that inhibits the formation of adhesions with sensitive tissue and organs thereto, the barrier layer having a surface texture and a porosity that are less than 10 μ m, the barrier layer being disposed on at least a portion of the interior body section of the layer of mesh fabric to inhibit the formation of adhesions between the portion of the interior body section and adjacent sensitive tissue and organs; and

an edge barrier that inhibits the formation of adhesions with sensitive tissue and organs thereto, the edge barrier having a surface texture and a porosity that are less than 10 μ m, the edge barrier isolates at least a portion of the edge of the mesh fabric from adjacent sensitive tissue and organs.

66. (Previously Presented) The prosthetic repair fabric according to claim 65, wherein the layer of repair fabric includes a plurality of interstices that are constructed and arranged to allow tissue ingrowth thereto.

67. (Previously Presented) The prosthetic repair fabric according to claim 65, wherein the layer of repair fabric and the barrier layer are connected by at least one series of stitches.

68. (Previously Presented) The prosthetic repair fabric according to claim 65, wherein the layer of repair fabric includes a polypropylene mesh.

69. (Previously Presented) The prosthetic repair fabric according to claim 68, wherein the barrier layer is formed of ePTFE.

70. (Previously Presented) The prosthetic repair fabric according to claim 68, wherein the edge barrier is formed of ePTFE.

71. (Previously Presented) The prosthetic repair fabric according to claim 65, wherein the barrier layer is disposed on at least a portion of the margin section of the layer of mesh fabric.